

PROCEEDINGS OF THE
ROYAL ENTOMOLOGICAL SOCIETY
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GENERAL MEETING
6TH MAY, 1942, at 3.30 p.m.

AGENDA

1. Confirmation of the Proceedings of the General Meeting held on 1st April, 1942.
2. Recommendations of candidates for Fellowship.
3. Announcement of election of new Fellows.
4. Admission of Fellows.
5. Communications.

1. **Prof. G. D. Hale Carpenter** (on behalf of **Dr. Eric Burt**).

A remarkable giant stick-insect (PHASMIDAE) from East Africa, with notes on its eggs and defensive attitude.

2. **Mr. A. Welti** (on behalf of **Mr. L. G. Hulls**).

Entomological gems.

[Abstract.]

In the 18th century J. Tassie of Glasgow made a large number of impressions of various subjects including some insects. The originals were executed in wax and impressions afterwards made in a hard white enamel. These are much sought by collectors today. In 1781 R. E. Raspe published a 2-volume "Descriptive catalogue of a general collection of ancient and modern engraved gems . . . cast by J. Tassie." Mr. Hulls has a large collection and some specimens will be exhibited.

3. **Dr. L. E. R. Picken** (a visitor).

Shape and molecular orientation in the scales of Lepidoptera.

[Abstract.]

The search for synthetic substitutes for natural products has resulted on the one hand in the plastics industry, on the other in increased knowledge of the materials of which plants and animals are composed. In particular it has been shown that the molecular structure of these materials determines their properties. The knowledge acquired sheds light on much that was hitherto obscure in morphogenesis. This will be illustrated in the case of certain cuticular structures in insects: more particularly, the scales of Lepidoptera. It will be shown that shape and mechanical and optical properties are intimately related to molecular structure and orientation.

4. **Mr. B. D. Wragge Morley**.

Observations on the ant fauna of a garden in Southern England (1934-1942).

[Abstract.]

The garden is some two acres in area, not including the house. It has a southern aspect and is situated at the top of a slight elevation. Although the

garden is almost in the centre of a large town (Bournemouth), a strip of uncultivated land, on which pine trees and bracken flourish, is retained round its edge. The ants found in the garden include *Acanthomyops* (*Dendrolasius*) *fuliginosus* Latr., *A. (Chthonolasius) mixtus* Nyl., *Formica fusca* L., *Myrmica laevinodis* Nyl., *M. ruginodis* Nyl., and the common *A. niger* L. There has been considerable variation in the population of both individual nests and the species as a whole, coupled with consequent variation in the area of territory occupied and foraged. One interesting feature of the fauna is a mixed nest of *A. (D.) fuliginosus*-*A. (C.) mixtus*.

5. Communications and exhibits the titles of which have been received since the circulation of these agenda.

Tea will be served in the Library after the meeting.

PROCEEDINGS OF THE GENERAL MEETING HELD ON 1ST APRIL, 1942.

Dr. K. G. BLAIR, Vice-President, in the Chair.

Present, 37 Fellows and 11 Visitors.

The minutes of the meeting held on 4th March were confirmed and signed by the Vice-President.

The Secretary announced that the following had been elected Fellows of the Society : E. Ashcroft, 39, Leyland Road, Penwortham, Preston, Lancs; Maurice D. Barnes, 12, Dudley Road, Marsh, Huddersfield, Yorks; Lieutenant Peter Frederick Mattingly, B.Sc., R.A.M.C., Army School of Hygiene, Mytchett, Aldershot.

Dr. W. E. Ripper signed the Obligation Book and was formally admitted a Fellow.

Thanks were voted to donors of gifts to the Library since the last meeting.

The following papers were read in title :—

“On the development and homologies of the genitalia and their ducts of Hymenoptera. Part 1—Female. Part 2—Male.” By A. M. D’Rozario. [Communicated by Dr. A. D. Imms.]

“Notes on the genus *Heligomphus* Laidlaw, with descriptions of two new species (Odonata).” By F. C. Fraser.

“The aquatic Hemiptera of the Hebrides.” By G. A. Walton.

“On the classification of the larvae of the VESPIDAE (Hym.).” By J. A. Reid.

“Chinese Trichoptera : a collection made by Mr. M. S. Yang in Foochow.” By M. E. Mosely.

A communication was made by Dr. C. B. Williams, Dr. A. S. Corbet, and Dr. R. A. Fisher, F.R.S. (a visitor), an abstract of which appeared on p. 7.

In addition Mr. L. Parmenter spoke on the prey of populations of *Machimus atricapillus* Fln.

N. D. RILEY, *Hon. Secretary*.

Please keep this, as a second copy will not be issued in the annual volume of Proceedings, Series C.

The next Meeting will be held on 3rd June, 1942, at 3.30 p.m.